FOR MYSORE STATE

Public (C.P.) Amts (1953) Department.

MS SERIES.

G.O. NO. MS 1997

Dated 28-7-1953

passed
Superintendent

G.O. at P. 364

[Despatch Abstract.]

Community projects - South Canara Area - Block II - Communications - Construction of a foot bridge at Guljarguddi in Belvai - Estimate sanctioned.

ACCOUNTS & SPECIAL OFFICER (COMMUNITY PROJECTS.)
20 JUL 1953
PUBLIC (C. P.) DEPARTMENT. MADRAS

Ref C.No.1569/53-B.

Project Executive Office, S.Kanara,
Mangalore, d/- 15th July 1953.

*****

From

Sri G Simhadri, B.A.,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects
and Ex-Officio Secretary to Govt.,
Fort St.George, Madras 9.

.....

22095

Sir,

Sub: Community Projects - South Kanara - Block II - Communications - Construction of a foot bridge at Beluvai - Estimate - Sanction - Requested.

*****

I submit herewith an estimate in duplicate with site plan etc., for the construction of a foot bridge across the poramboke stream in S.No. 104/9 of Belvai village at the locality called Gujjargundi. The particulars required are furnished below:

1) Block No. ..... II.

2) Name of work. ..... Construction of a foot bridge across the poramboke stream in S.No.104/9 of Belvai village at the locality called Gujjargundi.

3) Whether the work has been approved by the Project Advisory Committee and whether provision has been made in the draft programme ..... Yes.

4) Cost of work. Rs. 1,500/-

5) Villagers' contribution. The Puthige Panchayat Board has resolved to contribute 25% of the cost which comes to Rs. 375/-

6) Expenditure to be borne by the Community Project. Rs. 1,125/-

7) Remarks:

The proposal is to construct a foot bridge across the poramboke stream in S.No. 104/9 of Belvai village. The proposed work will benefit about 200 persons daily including a large number of school children attending the local school. The estimated cost of the work is Rs. 1,500/- The provision made in the estimate is explained in the report of the Assistant Engineer accompanying the estimate. The villagers are poor and are not in a position to contribute individually.

p.t.o.

The Panchayat Board, Puthige has resolved to contribute 25% of the cost which works out to Rs. 375/- in spite of its meagre resources. The balance of Rs. 1,125/- has to be borne by the Community Project. Necessary provision has been made for the work in the draft programme. I recommend that the estimate may be sanctioned for Rs. 1,125/-

PROJECT EXECUTIVE OFFICER.

Enclosure: Estimate in duplicate.

T/15.7.

2 drafts

3

Pub(C.P. Audit) Dept

(C No. 22095/53)

Go. Ms 1997 dated 28-7-53

Abstract:- Community Projects- South Kanara Area- Block II- Communications - Construction of a foot bridge at Gujjarguri in Belvai- Estimate -Sanctioned

Read:- From the PEO. Mangalore. ref C No. 1569/53-B dated 15.7.1953

Order:-

Sanction is accorded to an expenditure not exceeding Rs 1050 (Rupees One thousand and fifty only) being three fourths of the estimated Cost of Rs 1400 for the Construction of a foot bridge at Gujjarguri in Belvai. The balance of Rs 350/- required to complete the work should be met by Contributions from the beneficiaries

This Sanction is counted against the provision in item II H of the Project Estimates for the Area approved by the C.P.A in their letter No CPA 33/5/5: dated 31.3.53

2. The expenditure should be debited to "63 B Community Development Projects. h. Civil works - Communications. Works."

3. The PEO. Mangalore should get the work executed according to the plan and estimate herewith returned approved and submit a copy of the Completion report to Govt. in due course

Two drafts Perused M 28/7

Issued by R. No. dated 1/8/53

(By regd. post)

The PEO. Mangalore (with the enclosures)

The AG. Madras

to

The Secy. C.P.A. Rashtrapati Bhavan, New Delhi.

The Collector South Kanara.

Sri A Balakrishnan BA BL, IA&AS (AG Madras)

Pub (C.P. Accts) Dept.

Pub (C.P. Audit) Dept. ✓

SF-2

Spare

Copy put in 6/F. M 29/7/53

Copy to the Auditor of Mg & Bs.

B. 4 months ✓

entered in

24.7.53 M 24/7

27/7/53

27/7/53

4

Pub(CP)

Memo No 22095-Pub (CP Audit)/53-57
27.-7-53.

Sub:- Cls - S. Kanara Area - Block II - Communication - Construction of a footbridge at Gujjarguddi in Belvai - Estimate - Sanction - Contribution from the Panchayat Bd, Pudige.

Ref: Govt Memo No. 1997 Pub(CP) 57. 28.7.53 *

A copy of letter from the P.E.O. Mangalore, No 1569/53 B 57 15th July 1953 is enclosed. A sum of Rs 350/- is the contribution by the Panchayat Bd. from its funds if the sanction accorded in the estimate cited is to be effective. The Inspector of Mys. of Bs. is requested to furnish the Panchayat Bd. to Contribute its share of the expre. when it is applied for by the Bd.

27/7/53 27/7/53

To
The Inspector of Mys of Bs
Manp. E.O. Mangalore.
The President, Panchayat
Puthige, S. Kanara Bd,
through the P.E.O. Mangalore.

* To be filled up when the Govt memo is issued

Design of deck plank.

Clear span ---- 3'-6". Plank thickness assumed 2" or 1½"

Dead weight ---- 3'-6" x 1'-0" x 1/6 x 50 = 29 lbs

Allowance for load rails etc. ---- 6 lbs

35 lbs.

Live load at 80 lbs/sq ft.

3/6" x 1'-0" x 80 = 280 lbs.

315 lbs

or 320 lbs

Stiffness formula

$W = 150 b d^3 / L^2$

$d^3 = \frac{320 \times 3'\text{-}6" \times 3'\text{-}6"}{150 \times 12}$

$= 2.18"$

$\therefore d = 1.296"$

Hence the thickness of 2" provided is quite sufficient.

Beam - Dead load of timber over 3 spans.

= 66 x 50.

over one span = $\frac{66 \times 50}{3}$ = 1100

Live load $11 \times 4'\text{-}0" \times 80$ lbs. = 3200

4300

or 4300.

load acting one one beam $= \frac{4300}{2} = 2150$.

$W = 150 b d^3 / L^2$ b taken as 4".

$d^3 = \frac{2100 \times L^2}{150 \times 4} = \frac{2150 \times 11 \times 11}{150 \times 4} = 423.5$

$d = 7.51"$ or 8"

Beam section 4" x 8" adopted.

H Jayakrao
D.O.R. 16/1/53

Materials statements. 19.7

1. Broken stone 1½" B.S. size. 100 cft.
2. Rough stone { for R.R. Masonry. 495 cft.
   { for Dry Packing 220 cft.
3. Counting wood work in
   Part up. log. " " "
   Beams. 6 Nos 13'-0 x 4" x 8" = 17.3 cft.
   balance for decking — bond rails etc } = 48.7 cft.
   Total = 66.0 cft.
4. Tar. 8½ lbs x 8. = 68 lbs.
5. cement { concrete — 12½ cft } 43 cft.
   { Masonry. — 30½ cft } nearly 34½ bags
6. holding down bolts with flats etc complete. } Nos 12 @ 2'-6" long & ¾" dia.

H. S. Pochkanawala

Supervisor 21/6/53
K.I.

P.W.D. V-39—17 205—20-1-53.

Data sheet to accompany the estimate for Constructing a foot Bridge at Gunjaragundi of Belvai Village — Karwar Taluk.

Quantity.	Description of wor	Rate.	Per.	Amount.	Total.
		RS. A. P.		RS. A P.	

Roads.

Sand — 1½ to 1 furlong Head load.

Cr. stone — 1½ to 1 furlong. Head load.

cement. 27 M. M. R.
8½ M. C. T.

A. Cement Mortar 1:5.

100 cft. Sand cost 2 8 - 100 cft. 2 8 -

20 cft. cement cost. 37 8 - 25 cft. 9 0 - -

100 cft. Sand lead 2-14-0. 1 Hg Lead lens 2 14 - 100 cft. 2 14 -

20 cft. cement lead.
27 M. M. R.
½ M. C. T.
up to 5 M. M. R = 25-12-6
5 to 27 M. = 4 4 0
C. C. 2-0/mile) 1-3-2
2-5-6
1-0-0 0-3-2
½ M. C. T. = 2-10-0
4-11-0 0-15-0 5-10-0
70 15 8 22 1 6 72 1 6 100 cft. 14 3 2 4 6 6 15 1 4.

100 cft. Mixing charges. 4 8 - 100 cft. 4 8 -

L. S. Sundries. 2 10 94-4-0 94 8

95 1 - 95-4-0 96/8

B. Cement Mortar 1:4.

100 cft. Sand cost. 2 8 - 100 cft. 2 8 -

100 cft. Sand lead o/s Per above 2 14 - 100 cft. 2 14 -

25 cft. cement cost. 37 8 - 25 cft. 9 7 8 -

25 cft. Cement lead o/s Per above. 70-15-8 72 1 6 75 6 6 100 cft. 17-11-11 18 5 4 13 8.

100 cft. Mixing Mortar 4 8 - 100 cft. 4 8 -

Sand

P.W.D. V-39—17 205—20-1-53.

Data sheet to accompany the estimate for _____

Quantity.	Description of wor	Rate.			Per.	Amount.			Total.
		RS.	A.	P.		RS.	A	P.	
	1. Earth work in excavation for foundations in all soils except Rock requiring blasting.								
1000 cft.	20 B. Note IV 2 x 15 B. (S.Y No) 2 x 21-6-0.	42	12	-	1000 cft.	42	12	-	42-12-0.
	2. Concrete Rand brickstone 1½" B.S.S. Gauge in Cement Mortar — 1:4:8.								
100 cft.	Broken Stone (in). S.Y No 33 C.	23	-	-	100 cft.	23	-	-	
100 cft.	Broken stone lead	3	10	-	do	3	10	-	
50 cft.	Cement Mortar 1:4	115	4	-	do	57	10	-	
		1/2	8	-	do		4	-	
		115	8	-		57	12	-	
½ No.	Mason 2nd class	2	12	-	each	1	6	-	
5 Nos.	Man Mazdoor	1	8	-	do	7	8	-	
4 Nos.	Woman —do—	0	12	-	do	3	-	-	
	Sundries.	L.	S.			-	6	-	96/8
						97			97/-/-
						96	8	-	
	3. Random Rubble Masonry in C.M. 1:5. (S. Y. 75).								
110 cft.	Rough stone	16	-	-	100 cft.	17	9	7	
110 cft.	Lead for Rough stone (0-3 per above)	3	10	-	do	3	15	10	
34 cft.	Cement Mortar 1:5	94	4		do	32	0	8	A
		94	4			32	2		
5 No.	Masons 2nd class	2	12	-	each	13	12	-	
4 No.	Man Mazdoor	1	8	-	do	6	-	-	
4 No.	Woman —do—	0	12	-	do	3	-	-	76-10-0
	Sundries.	L.	S.	0-3-11		4	7		8
		76-10-0				80	7		80/7
	4. Rough stone dry Pitching for aprons & revetments.								
110 cft.	Rough stone	16	-	-	100 cft.	17	9	7	
110 cft.	Lead for stone	3	10	-	do	3	15	10	
1 No.	Woodcutter	3	-	-	each	3	-	-	
3 No.	Man Mazdoors	1	8	-	do	4	8	-	
2 No.	Woman —do—	0	12	-	do	1	8	-	
	Sundries.	L.	S.			-	2	7	

-3

P.W D. V-39—17,205—20-1-53.

Data sheet to accompany the estimate for _____

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
		RS. A. P.		RS. A. P.	
	5. Best country wood wrought & put up. 5.9.181.				
1 cft.	Country wood	7 2 -	1 cft.	7 2 -	
1/2 No.	carpenter	3 6 -	each	1 11 -	
1/4 No.	Man Mazdoor	1 8 -	do	0 6 -	
	Sundries including nails, screws etc }	L. S.		0-3-0 2 2 - 9 12 -	9-6-0 9/12/-
	6. Tarring with hot coal tar 2 coats. 5.9.173.				
8 1/2 Hs	Coal tar	0 4 -	lb	2 2 -	
1 1/2 No.	Man Mazdoor	1 8 -	each	2 4 -	
	Sundries such as brushes etc }	L. S.		0 4 - 4 10 -	4/10/-

Certified that the loads are correct to the best of my knowledge.

J. Fernandes
S.O. (K).

20/6/53.

25

DETAILED ESTIMATE.

421,104—17-11-32. C.F. 160 (1).

13

District Mangalore Taluk Kundapur.

Village and Survey Gangolli & Kodi-Kanyur Village Date and cost of original construction

Name and number of work Construction of Bridge at Gangolli Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
(a) Earth work excavation in Rock requiring blasting & in soil including land & lift for foundations.						
for abutments left	1	6'-0"	6'-0"	2'-0"	52	
Right	1	3'-0"	6'-0"	2'-0"	18	
Earth work for filling the space for abutments for bridge above rock.					864	
					1034	1034 cft
(b) Breaking Rock — Below the L.S. Piers as well Rock above L.S.						
Concrete in cement for foundations for abutments	1	5'-0"	21'-0"	1'-0"	35	
	1	4'-0"	21'-0"	1'-0"	28	
for Ledges below the beams	2	1'-0"	1'-0"	1'-0"	16	
					1	
Earth work				80	80	80 cft 1000 lift.
Random Rubble in cement for abutments					144	
for abutments left	1	4'+2'	6'-0"	10"	180.	
Right	1	2'-3"	6'-0"	5'-0"	68.	
for Piers main left	1	2'-0"	6'-0"	2'-0"	24.	
main Right	1	2'-0"	6'-0"	5'-0"	60.	
for Wings left side	2	2'-0"	2'-0"	0'-6"	3	
Right side	1	2'-0"	3'-0"	2'-0"	45.	
Earth work for side of beam left beam for Cutting & cut water Portion					23 28	
					487	
dead weight		11	18	11	16	432 cft

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
Rough stone Dry Facing to sides of abutments.						
	4	8'-8"	6'-0"	1'-0"	192 or 200 cft	
Best country wrought Pinkbs.						
Beams	6	13'-5"	0'-4"	0'-4"	17.3	17.33
Posts.	7×2	3'-2"	0'-3"	0'-3"	2.6	2.57
Struts.	7×2	2'-8"	0'-2"	0'-2"	2.2	2.19
Road rails.	4	4'-10"	0'-3"	0'-3"	1.2	10.25
Rails	2	39'-0"	0'-3"	0'-2"	3.5	3.25
Decking	1	39'-0"	4'-6"	0'-2"	29.3	29.25
						1.22
					46.9	66 cft.
Framing.						
For beams	6	13'-0"	1'-8"	—	130	
Posts	7×2	3'-0"	1'-0"	—	42	
Struts	7×2	2'-6"	1'-0"	—	35	
Road Rails	4	4'-10"	0'-10"	—	13.7	
Rails	2	39'-0"	0'-6"	—	6.5	
Decking	1	39'-0"	5'-4"	—	364	
					773	
			Carried		27	
					800	800 sq
Entrenchments to lift 3' — — 1.5.						
Shifting Stones, Picking down						
hills 2'-6" high in 3/4 C. with Crowbar & Pick						12 Nos
Footpaths complete — L. Sum						
Shifting Stones, Picking down 4'-6" high — L.S.						
Forming Ring in Sd. boiling pit						L.S.
Inscription etc.						
P.S to complete						L.S

Sft Sd boiling pit

S.D.K. 20/6/52.

Abstract Estimate.

C.F. 150 (2).

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4)	Per (5)	Total. (6)	Amount. (7)
			Rs. A. P.		Rs. A. P.	Rs. A. P.
	1.(a) Earth work excavation in all soils excepting Rock requiring blasting & refilling in sides with					
1500 cft.	trivial lead & lift		4 2 12 -	1000 cft.	64 - -	64
L.S.	(b) Bailing Rock (Below the two Pits).		- - L.S. - -		35 - -	35
80 100 cft.	2. concrete hand broken stone 1½" B.S.S. gauge in cement Mortar 1:4:8		97 - - 96 8 -	100 cft.	97 - -	77
470 cft.	3. Random Rubble Masonry in c.m. 1:5.		76 10 0 80 - - 87 12 -	100 cft.	380 - - 395 - -	360
200 cft.	4. Rough stone dry pacing for apron & revetments.		30 12 -	100 cft.	62 - -	62
66 cft.	5 country wood work in put up.		9 6 0 9 12 -	cft.	64 - -	619
800 sft.	6. Tarring with hot coal tar 2 coats.		4 10 -	100 sft.	37 - -	37
L.S.	7. Extra leads & lifts.		L.S.		25 - - 10	10
12 Nos	8. Supplying & driving holdfast stones 2'-6" long 3/4" ø with necessary plants etc.		L.S.		30 - -	30
	9. Supplying & fixing spl. ø 4" x 6" long.		L.S.		25 - -	25
	10. Putting Ring bund & making masters.		L.S.		26 - -	26
	11. P.S. Supervision charges at 5 per cent.				70 - -	55
				Grand total, Estimate.	1500	= 1400

Divisional officer (or other countersigning officer to be named).

Sanctioned for 19 —19 .

Signature and designation of the officer submitting this estimate.

A. D. Engr.

Specification

C.F. 150 (3)—342,006—24-10-51.

District Mangalore

Taluk Karkala

Village No. Belmannu (Samjeevanagar)

Name of Work No. Construction of Foot Bridge at Gurikatta Hadi in Belmannu Village.

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Amount of estimate 1400/- ~~1500/-~~

Sanction number and date

To be carried out by

Estimated Cost Rs 1400/-
Amount of Contribution Rs 350/-
Amount of Sanction Rs 1050/-

Sanctioned for Rs 1050/-
(Rupees One thousand fifty only)

O/C 22/7/53
for D.C.P.
ST/53 24/7/53 1247
22/7/53

~~2 days~~.

1

Pub (CP. Audit) Dept

(C No 22095/53) Sub- Community Projects- South Kanara Area - Block II
Communications- Construction of a foot-bridge at
Gujjar-guttri in Belvai - Estimate

Ref- From the PEO. Mangalore. ref C No 1569/53-B dt 15/7/53

Please see the letter from the PEO. Mangalore at p/cf enclosing an estimate for the Construction of a foot bridge at the locality called Gujjar guttri in Belvai village in Block II of the project area.

The proposal is to Construct a foot bridge of 3 spans of 11 feet each. The abutments and the 2 piers will be of random rubble masonry in cement mortar 1:5 and the decking of 2" plank will be carried on wooden beams of 4"x8" section. The abutments will have a foundation of 1-0" thick Concrete and the Soil on which the foundation rests is expected to be hard rock. The estimated Cost is reduced on check to Rs 1400 by Correcting the rate for random rubble masonry as per current schedule of rates

The PEO reports that the panchayat Board of Puttige has resolved to Contribute a fourth of the Cost. The work is reported to have been approved by the Project Advisory Committee and included in the draft overall programme

The PEO reports that the work will benefit about 200 people including school children

The approved Project Estimate provides for the Construction of 33 foot bridges at an expenditure of Rs 57,000. So far 23 foot bridges have been sanctioned involving a total expenditure of Rs 45,564/-

The work may be sanctioned for 3/4x1400 or Rs 1050/-

A draft order is put up for approval. The estimate may also be countersigned. A draft memo to the Asst. Engr. is also put up for approval

kept below.

24.7.53 Sr 24/7

25/7/53

27/7/53

Dy CE 27/7/53

Accordingly Sanction for 1947 Pub (CP Audit) 28/7

Pub(cP)/.

Memo. No. Pub(cP Addl)/5-3-

dated 7-5-57

Sub:- CPs - V. Kanara Area - Block II - Communications - Construction of a foot bridge at Kuyyaragundi in Sebai - Estimate - Sanction - Contribution from the Panchayat Bdy, Puttige

Copies of the correspondence noted in the margin are

26340

G.O.Ms.1997 28/11/53

Proceedings of the Inspector of Ml.Cls. & Local Boards, Madras.1
Sri K.G. Menon, I.C.S.,

Dated 7-9-53.

L.Dis.No.50805/53.

Sub:- Contribution Puttige Panchayat - South Kanara District Rs.350/- (Rupees Three hundred and fifty only) to the Comunity projects Department towards construction of a foot bridge at Gijjargundi in Bettai - sanctioned.

Read:- Letter No.Nil dated 30-7-53 of the President, Puttige.
From the Additional District Panchayat Officer, South Kanara No.1710/53, dated 25-8-53.
Government Memo.No.22095 Pub.(C & Audit)53-1, dated 27-7-53.

ORDER: S A N C T I O N E D.

for Inspector.

To the President, Panchayat, Puttige, South Kanara.
Copy to the Additional District Panchayat Officer, South Kanara.
Copy to the Project Executive Officer, Mangalore.
Copy to the Secretary to Government, Public (Community Projects) Department, Madras.

pkr.9/9

Public C.P. Mdy

This may be lodged and added to the G.O. at (2)

29/9/53

ACCOUNTS & SPECIAL OFFICER (COMMUNITY PROJECTS) 16 SEP 1953 PUBLIC (C.P.) DEPARTMENT MADRAS